

CONTENTS

VOLUME 32, NUMBER 1, JANUARY 1990

J. MONTALTO, C. B. WHORWOOD, J. W. FUNDER, A. B. W. YONG, A. CALLAN, H. E. DAVIES and J. F. CONNELLY: Plasma C19 steroid sulphate levels and indices of androgen availability in female pattern androgenic alopecia	1
W. G. ROSSMANITH, G. A. LAUGHLIN, J. F. MORTOLA and S. S. C. YEN: Secretory dynamics of oestradiol (E2) and progesterone (P4) during periods of relative pituitary LH quiescence in the midluteal phase of the menstrual cycle	13
U. SCHWEIGER, R. TUSCHL, A. BROOCKS and K.-M. PIRKE: Gonadotrophin secretion in the second half of the menstrual cycle: a comparison of women with normal cycles, luteal phase defects and disturbed follicular development	25
R. FLEMING, M. P. R. HAMILTON, C. CONAGHAN, W. P. BLACK and J. R. T. COUTTS: Ovarian sensitivity to gonadotrophins in patients with PCO is unaffected by suppression of LH	33
R. I. McLACHLAN, N. L. COHEN, K. D. DAHL, W. J. BREMNER and M. R. SOULES: Serum inhibin levels during the periovulatory interval in normal women: relationships with sex steroid and gonadotrophin levels	39
S. NATORI, H. IGUCHI, M. OHASHI, R. NAKAO, S. R. BLOOM and H. NAWATA: Effect of octapeptide somatostatin analogue (SMS 201-995) on plasma 7B2 (a neuroendocrine polypeptide) levels in patients with acromegaly	49
B. McLAUGHLIN, P. BARRETT, T. FINCH and J. G. DEVLIN: Late onset adrenal hyperplasia in a group of Irish females who presented with hirsutism, irregular menses and/or cystic acne	57
J. E. BRUNNER, C. C. JOHNSON, S. ZAFAR, E. L. PETERSON, J. F. BRUNNER and R. C. MELLINGER: Colon cancer and polyps in acromegaly: increased risk associated with family history of colon cancer	65
A. TSATSOULIS, S. M. SHALET, P. RICHARDSON and W. R. ROBERTSON: Testosterone reduces the bioactivity of luteinizing hormone (LH) in man	73
P. C. HINDMARSH, P. J. PRINGLE, L. DI SILVIO and C. G. D. BROOK: A preliminary report on the role of somatostatin analogue (SMS 201-995) in the management of children with tall stature	83
M. J. ELLIS, R. S. SCHMIDLI, R. A. DONALD, J. H. LIVESEY and E. A. ESPINER: Plasma corticotrophin-releasing factor and vasopressin responses to hypoglycaemia in normal man	93
K.-O. LEE, D. Y. F. CHUA and J.-S. CHEAH: Oestrogen and progesterone receptors in men with bilateral or unilateral pubertal macromastia	101
I. E. MESSINIS and A. TEMPLETON: Superovulation induction in women suppresses luteinizing hormone secretion at the pituitary level	107
J. W. McARTHUR, I. GILBERT, R. J. HENERY, J. QUINN, L. PERRY, D. CRAMER, M. KIRKLAND, D. S. T. PEDOE, L. H. REES, G. M. BESSER and B. A. TURNBULL: The effects of submaximal endurance exercise upon LH pulsatility	115
P. M. HORROCKS, A. F. JONES, W. A. RATCLIFFE, G. HOLDER, A. WHITE, R. HOLDER, J. G. RATCLIFFE and D. R. LONDON: Patterns of ACTH and cortisol pulsatility over twenty-four hours in normal males and females	127
Letters to the Editors	135
Book reviews	137

VOLUME 32, NUMBER 2, FEBRUARY 1990

R. H. MORTIMER, S. A. TYACK, J. P. GALLIGAN, D. A. PERRY-KEENE and Y. M. TAN: Graves' disease in pregnancy: TSH receptor binding inhibiting immunoglobulins and maternal and neonatal thyroid function	141
C. E. BRAIN, P. C. HINDMARSH and C. G. D. BROOK: Continuous subcutaneous GHRH ₍₁₋₂₉₎ NH ₂ promotes growth over 1 year in short, slowly growing children	153
R. R. COOKE, R. P. MCINTOSH, J. G. A. MCINTOSH and J. W. DELAHUNT: Serum forms of testosterone in men after an hCG stimulation: relative increase in non-protein bound forms	165
A. B. M. FOOT, K. DAVIDSON, J. A. EDGE, J. A. H. WASS and D. B. DUNGER: The growth hormone releasing hormone (GHRH) response to a mixed meal is blunted in young adults with insulin-dependent diabetes mellitus whereas the somatostatin response is normal	177
M. SMALL, L. BUCHANAN and R. EVANS: Value of screening thyroid function in acute medical admissions to hospital	185
H. M. WHITEHEAD, D. R. BEACOM, B. SHERIDAN and A. B. ATKINSON: The effect of cyproheptadine and/or bromocriptine on plasma ACTH levels in patients cured of Cushing's disease by bilateral adrenalectomy	193
A. R. McLELLAN, A. MOWAT, J. CORDINER, G. H. BEASTALL, A. M. WALLACE, J. M. C. CONNELL and D. L. DAVIES: Hilus cell pathology and hirsutism	203
D. S. KIDDY, P. S. SHARP, D. M. WHITE, M. F. SCANLON, H. D. MASON, C. S. BRAY, D. W. POLSON, M. J. REED and S. FRANKS: Differences in clinical and endocrine features between obese and non-obese subjects with polycystic ovary syndrome: an analysis of 263 consecutive cases	213
F. DOREY, G. STRAUCH and J. P. GAYNO: Thyrotoxicosis due to pituitary resistance to thyroid hormones. Successful control with D-thyroxine: a study in three patients	221
A. M. TAYLOR, D. B. DUNGER, M. A. PREECE, J. M. P. HOLLY, C. P. SMITH, J. A. H. WASS, S. PATEL and V. E. TATE: The growth hormone independent insulin-like growth factor-1 binding protein BP-28 is associated with serum insulin-like growth factor-1 inhibitory bioactivity in adolescent insulin-dependent diabetics	229
S. RATANACHAIYAVONG, C. A. GUNN, E. A. BIDWELL, C. DARKE, R. HALL and A. M. MCGREGOR: DQA2 U Allele: a genetic marker for relapse of Graves' disease	241
K. KASAGI, K. TAKEDA, K. GOSHI, J. TAKAMATSU, A. HIDAKA, H. HATABU, T. MISAKI, Y. IIDA, K. KUMA and J. KONISHI: Presence of both stimulating and blocking types of TSH-receptor antibodies in sera from three patients with primary hypothyroidism	253
M. D. LITTLE, S. M. SHALET, R. SWINDELL, C. G. BEARDWELL and M. L. SUTTON: Low-dose pituitary irradiation for acromegaly	261
Letters to the Editors	271

VOLUME 32, NUMBER 3, MARCH 1990

C. INVITTI, M. DE MARTIN, A. BRUNANI, M. PIOLINI and F. CAVAGNINI: Treatment of Cushing's syndrome with the long-acting somatostatin analogue SMS 201-995 (Sandostatin)	275
-------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-----

D. L. THOMPSON, N. HORTON and R. S. RITTMASER: Androsterone glucuronide is a marker of adrenal hyperandrogenism in hirsute women	283
R. S. SCHMIDLI, I. WILSON, E. A. ESPINER, A. M. RICHARDS and R. A. DONALD: Aminopropylidene diphosphonate (APD) in mild primary hyperparathyroidism: effect on clinical status	293
D. I. W. PHILLIPS, J. H. LAZARUS and B. K. BUTLAND: The influence of pregnancy and reproductive span on the occurrence of autoimmune thyroiditis	301
S. R. PAGE, V. T. Y. ANG, R. JACKSON, A. WHITE, S. S. NUSSEY and J. S. JENKINS: The effect of oxytocin infusion on adenohipophyseal function in man	307
P. E. HARRIS, P. M. G. BOULOUX, J. A. H. WASS and G. M. BESSER: Successful treatment by chemotherapy for acromegaly associated with ectopic growth hormone releasing hormone secretion from a carcinoid tumour	315
E. AF EKENSTAM, L. BENSON, R. HÄLLGREN, L. WIDE and S. LJUNGHALL: Impaired secretion of prathyroid hormone in patients with rheumatoid arthritis: relationship to inflammatory activity	323
M. AYUB and M. J. LEVELL: Suppression of plasma androgens by the antiandrogen flutamide in prostatic cancer patients treated with Zoladex, a GnRH analogue	329
J. C. S. DEAN, A. W. JOHNSTON and A. I. KLOPPER: Isolated hypogonadotrophic hypogonadism: a family with autosomal dominant inheritance	341
M. I. MORANO, R. J. DE ANTUENO, G. NIEDFELD and F. E. ESTIVARIZ: Neuroendocrine alterations in nude mice with a human lung carcinoma producing pro-opiomelanocortin, corticotrophin-releasing hormone and arginine vasopressin	349
O. EBER, W. BUCHINGER, W. LINDNER, P. LIND, M. RATH, G. KLIMA, W. LANGSTEGGER and P. KÖLTRINGER: The effect of D- versus L-propranolol in the treatment of hyperthyroidism	363
Review	
T. STRACHAN: Molecular pathology of congenital adrenal hyperplasia	373

VOLUME 32, NUMBER 4, APRIL 1990

J. A. EDEN, J. JONES, G. D. CARTER and J. ALAGHBAND-ZADEH: Follicular fluid concentrations of insulin-like growth factor 1, epidermal growth factor, transforming growth factor- α and sex-steroids in volume matched normal and polycystic human follicles	395
W. M. HAGUE, J. ADAMS, V. ALGAR, V. DRUMMOND, G. SCHWARZ, G.-F. BOTTAZZO and H. S. JACOBS: HLA Associations in patients with polycystic ovaries and in patients with congenital adrenal hyperplasia caused by 21-hydroxylase deficiency	407
J. E. O'CONNELL, A. F. DOMINICZAK, C. G. ISLES, A. R. McLELLAN, G. DAVIDSON, C. E. GRAY and J. M. C. CONNELL: A comparison of calcium pentagastrin and TRH tests in screening for medullary carcinoma of the thyroid in MEN IIA	417
S. BOESGAARD, C. HAGEN, J. HANGAARD, A. N. ANDERSEN and E. ELDRUP: Effect of dopamine D-1 receptor agonist on pulsatile thyrotrophin secretion in normal women	423
B. C. J. M. FAUSER, J. W. BOGERS, W. C. J. HOP and F. H. DE JONG: Bioactive and immunoreactive FSH in serum of normal and oligospermic men	433
D. J. KWEKKEBOOM, S. W. J. LAMBERTS, J. H. M. BLOM, F. H. SCHROEDER and F. H. DE JONG: Prolonged treatment with the GnRH analogue buserelin does not affect α -subunit production by the pituitary gonadotroph	443

G. P. BERNINI, G. F. ARGENTIO, M. S. VIVALDI, C. DEL CORSO, R. BIRINDELLI, M. LUISI and F. FRANCHI: Impaired growth hormone response to insulin-induced hypoglycaemia in obese patients: restoration blocked by ritanserin after fenfluramine administration	453
S. MALOZOWSKI, S. MUZZO, R. BURROWS, L. LEIVA, L. LORIAUX, G. CHROUSOS, J. WINTERER and F. CASSORLA: The hypothalamic-pituitary-adrenal axis in infantile malnutrition	461
M. OBHRAI, S. S. LYNCH, G. HOLDER, R. JACKSON, L. TANG and W. R. BUTT: Hormonal studies on women with polycystic ovaries diagnosed by ultrasound	467
F. C. LOGUE, W. D. FRASER, S. J. GALLACHER, D. A. CAMERON, D. ST. J. O'REILLY, G. H. BEASTALL, U. PATEL and I. T. BOYLE: The loss of circadian rhythm for intact parathyroid hormone and nephrogenous cyclic AMP in patients with primary hyperparathyroidism	475
H. FUKAZAWA, T. SAKURADA, K. YOSHIDA, N. KAISE, K. KAISE, T. NOMURA, M. YAMAMOTO, S. SAITO, S. TAKASE and K. YOSHINAGA: Thyroid function in patients with myotonic dystrophy	485
L. M. BURRELL and P. H. BAYLIS: Release of atrial natriuretic peptide during hypertonic saline infusion: the importance of posture	491
A. BARRECA, F. MINUTO, A. VOLPE, E. CECHELLI, F. CELLA, P. DEL MONTE, P. ARTINI and G. GIORDANO: Insulin-like growth factor-I(IGF-I) and IGF-I binding protein in the follicular fluids of growth hormone treated patients	497
Current therapy	
J. A. CANTRILL and D. C. ANDERSON: Treatment of Paget's disease of bone	507
Review	
M. O. SAVAGE and D. G. LOWE: Gonadal neoplasia and abnormal sexual differentiation	519
Book reviews	535

VOLUME 32, NUMBER 5, MAY 1990

R. VALCAVI, M. ZINI, C. DIEGUEZ, I. PORTIOLI and M. F. SCANLON: Effect of oral glucose on the late growth hormone rise and growth hormone responses to GHRH in normal subjects	539
J. NICHOLLS, D. WYNICK, J. DOMIN, L. M. SANDLER and S. R. BLOOM: Pharmacokinetics of the long-acting somatostatin analogue octreotide (SMS 201-995) in acromegaly	545
T. C. CHANG, K. M. HUANG, T. J. CHANG and S. L. LIN: Correlation of orbital computed tomography and antibodies in patients with hyperthyroid Graves' disease	551
S. OTHMAN, D. I. W. PHILLIPS, A. B. PARKES, C. J. RICHARDS, B. HARRIS, H. FUNG, C. DARKE, R. JOHN, R. HALL and J. H. LAZARUS: A long-term follow-up of postpartum thyroiditis	559
R. HOMBURG, C. WEST, J. BROWNELL and H. S. JACOBS: A double-blind study comparing a new non-ergot, long-acting dopamine agonist, CV 205-502, with bromocriptine in women with hyperprolactinaemia	565
A. D. GENAZZANI, D. ROBBARD, G. FORTI, F. PETRAGLIA, G. F. BARAGHINI and A. R. GENAZZANI: Estimation of instantaneous secretory rate of luteinizing hormone in women during the menstrual cycle and in men	573

E. CICCARELLI, E. GHIGO, C. MIOLA, G. GANDINI, E. E. MULLER and F. CAMANNI: Long-term follow-up of 'cured' prolactinoma patients after successful adeno-mectomy	583
A. KIVELÄ, A. KAUPPILA, J. LEPPÄLUOTO and O. VAKKURI: Melatonin in infants and mothers at delivery and in infants during the first week of life	593
D. C. S. CHANG, J. P. WOODCOCK, E. J. SHEDDEN, J. H. LAZARUS, M. H. WHEELER and A. M. MCGREGOR: Normalization of thyroid blood flow in Graves' hyperthyroidism following radioactive iodine therapy	599
W. H. STOKVIS-BRANTSMA, M. M. VAN WEISSENBRUCH, J. M. WIT, J. SCHOEMAKER and H. A. DREXHAGE: Sexual precocity induced by ovarian follicular cysts. Is autoimmunity involved?	603
S. W. WILSON, R. W. RETALLACK, J. C. KENT, G. K. WORTH and D. H. GUTTERIDGE: Serum free 1,25-dihydroxyvitamin D and the free 1,25-dihydroxy-vitamin D index during a longitudinal study of human pregnancy and lactation	613
M. DOWSETT, R. C. STEIN, A. MEHTA and R. C. COOMBES: Potency and selectivity of the non-steroidal aromatase inhibitor CGS 16949A in postmenopausal breast cancer patients	623
R. KOISTINEN, A.-M. SUKKARI, A. TIITINEN, K. KONTULA and M. SEPPÄLÄ: Human granulosa cells contain insulin-like growth factor-binding protein (IGF BP-1) mRNA	635
J. U. WEAVER, K. NOONAN, P. G. KOPELMAN and M. COSTE: Impaired prolactin secretion and body fat distribution in obesity	641
W. G. ROSSMANITH, C. H. LIU, G. A. LAUGHLIN, F. J. MORTOLA, B. Y. SUH and S. S. C. YEN: Relative changes in LH pulsatility during the menstrual cycle: using data from hypogonadal women as a reference point	647
A. LEVY and S. L. LIGHTMAN: Relationship between somatostatin and growth hormone messenger ribonucleic acid in human pituitary adenomas: an in-situ hybridization histochemistry study	661
J. J. SILVERLIGHT, R. A. PRYSOR-JONES and J. S. JENKINS: Basic fibroblast growth factor in human pituitary tumours	669
Book reviews	677
Notices	680

VOLUME 32, NUMBER 6, JUNE 1990

M. C. WHITE, M. DANIELS, P. NEWLAND, C. J. THOMPSON, D. COOK, J. DEWAR, R. PERRY, R. JEWITT, D. MATHIAS, A. P. MURDOCH and P. KENDALL-TAYLOR: LH and FSH secretion and responses to GnRH and TRH in patients with clinically functionless pituitary adenomas	681
R. C. TEMPLE, P. M. S. CLARK, D. K. NAGI, A. E. SCHNEIDER, J. S. YUDKIN and C. N. HALES: Radioimmunoassay may overestimate insulin in non-insulin-dependent diabetics	689
Y. F. SHI, A. G. HARRIS, X. F. ZHU and J. Y. DENG: Clinical and biochemical effects of incremental doses of the long-acting somatostatin analogue SMS201-995 in ten acromegalic patients	695
J. J. VAN DER WERFF TEN BOSCH and A. BOT: Growth of males with idiopathic hypopituitarism without growth hormone treatment	707
M. I. MCCARTHY, K. NOONAN, J. A. H. WASS and J. P. MONSON: Familial acromegaly: studies in three families	719

A. FARSETTI, A. PONTECORVI, I. ANTONOZZI, M. ANDREOLI and C. GAETANO: Cytofluorometric analysis of lymphocyte subsets in thyroid aspirates from patients with autonomously functioning nodule	729
P. C. HINDMARSH, D. R. MATTHEWS, C. BRAIN, P. J. PRINGLE and C. G. D. BROOK: The application of deconvolution analysis to elucidate the pulsatile nature of growth hormone secretion using a variable half-life of growth hormone	739
A. ABDEL GADIR, M. S. KHATIM, R. S. MOWAFI, H. M. I. ALNASER, H. G. N. ALZAID and R. W. SHAW: Hormonal changes in patients with polycystic ovarian disease after ovarian electrocautery or pituitary desensitization	749
I. E. MESSINIS and A. A. TEMPLETON: Prolactin secretion in women during the oestradiol-induced luteinizing hormone surge with or without progesterone	755
E. GHIGO, J. BELLONE, E. MAZZA, E. IMPERIALE, M. PROCOPIO, F. VALENTE, R. LALA, C. DE SANCTIS and F. CAMANNI: Arginine potentiates the GHRH- but not the pyridostigmine-induced GH secretion in normal short children. Further evidence for a somatostatin suppressing effect of arginine	763
J. J. BENN, R. G. R. FIRTH and P. H. SÖNKSEN: Metabolic effects of an insulin-like factor causing hypoglycaemia in a patient with a haemangiopericytoma	769
R. HOMBURG, C. WEST, T. TORRESANI and H. S. JACOBS: A comparative study of single-dose growth hormone therapy as an adjuvant to gonadotrophin treatment for ovulation induction	781
M. I. WÜRZBURGER, G. M. PRELEVIC, P. H. SÖNKSEN, L. A. PERIC, S. TILL and R. W. MORRIS: The effects of improved blood glucose on growth hormone and cortisol secretion in insulin-dependent diabetes mellitus	787
M. I. WÜRZBURGER, G. M. PRELEVIC, P. H. SÖNKSEN, L. A. PERIC, S. TILL and R. W. MORRIS: Effects of improved blood glucose on insulin-induced hypoglycaemia, TRH, GnRH and exercise tests in insulin-dependent diabetes	799
Author Index to Volume 32	809
Subject Index to Volume 32	816

